

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: August 5, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approximately 1.47" of rain fell over 8/04-05 with other traces of rain since 7/28.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible but slightly muddy following the rain. 8/05/04 - New Canaan Avenue is still free of tracked sediment from the Norwalk site. 7/28/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 8/05/04 - None at this time. Continue to monitor. 7/28/04
Foundation construction	<ul style="list-style-type: none"> - Work on the control house is ongoing. 8/05/04 - Most of the footings for future structure have been poured and excavations have been backfilled. A larger excavation is ongoing for construction of retaining wall #3. 8/05/04 - Excavation has also resumed for installation of conduits from the north of the site. 8/05/04 	<ul style="list-style-type: none"> - The areas are all well contained at this time. 8/05/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence remains in good shape 8/05/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls cont'd	- The concrete washout station has been filled over and concrete washout was occurring in a low, contained area near the center of site, far from resource areas or drain inlets. 8/05/04	- The main objective is to keep all washout water from resource areas and storm drains.
	- The topsoil stockpile remains well contained along the retaining wall and fill activities to the east of wall #2 are largely complete. 8/5/04	- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-8/5/04
	- Even with the recent rain event, water levels in the river had gone down significantly from the previous week and there was no water in the overflow channel. 8/05/04	- No sedimentation or erosion was noted at the river on either end of the channel. 8/05/04
	- Some areas along the channel which were recently seeded and mulched, were not showing much success in revegetation. 8/05/04	-Although the areas were fairly recently seeded. Some additional seed should be placed as the large geese population in the area may have removed it. 8/05/04
	-Some grass seed was recently placed on the small bare spot in the vegetation below wall #5. Some mulch and watering may be necessary to get growth to occur. 7/15-8/05/04	-Continue to monitor for sufficient vegetative growth and future stabilization. This spot could lead to a gully under the right conditions as it is in a fairly steep grade. 7/15-8/05/04
Inland Wetland and Watercourse encroachment and mitigation	<p>- The silt fence is still well in place along the river. 8/05/04</p> <p>- The areas along the channel are well under control with soil and straw mulch on the disturbed areas but additional seed may be necessary for grass cover. 8/05/04</p>	<p>- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river.</p> <p>- There were no signs of sedimentation or erosion at either end of the channel. 8/05/04</p>

Areas of Inspection	Observation	Recommended Action
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- The channel was completed with little additional disturbance to vegetation on the bank. 7/28-8/05/04	- The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-8/05/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	- There were no spills reported during the week. Old or new drip areas were not noted again during the inspection. 8/05/04	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Friday August 6, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden

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Date: August 5, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event Approximately 1.47" of rain fell over 8/04-05 with other traces of rain since 7/28.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 8/05/04	- None at this time. 8/05/04
Foundation construction	- The excavations have been repaired after the rains and some of the footings were poured. 8/05/04 - Several small stockpiles of excavate remain on site as a result 7/22-8/05/04	- The areas are all well contained at this time. 8/05/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- There is no silt fence in place at this time. If any stockpiles are going to be placed near the yard's outer chainlink fence, they should be surrounded by silt fence or haybales or covered in plastic. 8/05/04	- All areas are well contained and there is no sedimentation near any areas off-site. 8/05/04 - Continue to be proactive in silt fence placement and maintenance.

Areas of Inspection	Observation	Recommended Action
	- The existing small stockpiles have been sufficiently covered with plastic and are located well away from any sensitive areas. The rains did not cause any erosion to the stockpiles themselves. 7/28-8/05/04	
	- A new, well built concrete washout station has been constructed and is being used appropriately. 8/05/04	- The main objective is to keep all washout water from resource areas and storm drains.
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard but no work is in their vicinity at this time. 8/05/04	- None at this time.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering activities continue in order to remove standing water from the excavations for footing installation. 7/28-8/05/04 - The water is being directed to a flat area within the yard and is not reaching any wetland areas at this time. 7/28-8/05/04	- Both areas of dewatering have not had any issues with nearing the wetlands. If the volume of water increases, the flow should be filtered through a bag or haybales to reduce the chance of reaching off site. 7/28-8/05/04
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week.. There are very few pieces of	- The contractors should remain vigilant about securing and handling fuel containers.

Areas of Inspection	Observation	Recommended Action
	machinery on site at this time but a few small oil drips were noted near the entrance gate to the site. 8/05/04	<ul style="list-style-type: none"> - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - All soil samples came back with the same results as the original background tests of the yard prior to the new construction. The new footings are also being placed on appropriate soil structure. 8/05/04 	

Next likely scheduled inspection:

Thursday August 12, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



View of the connection to the Norwalk river at the southern end of the overflow channel. The recently seeded and mulched soil has not experienced much growth. Additional seed may be needed. 8/05/04



View of the excavation for the conduit installation, resuming from the northern portion of the site. The trench is well contained at this time. 8/05/04



View of excavation and footings for the construction of retaining wall #3. The excavate is contained at this time. 8/05/04



View of the topsoil stockpile and edge of the fill operations. 8/05/04



View of the recently poured footings at Plumtree. Dewatering is still ongoing to keep the construction area dry. The stockpiles have been protected from erosion and sedimentation by the plastic sheeting. 8/05/04



View of the well constructed concrete washout station which is being used appropriately. 8/05/04